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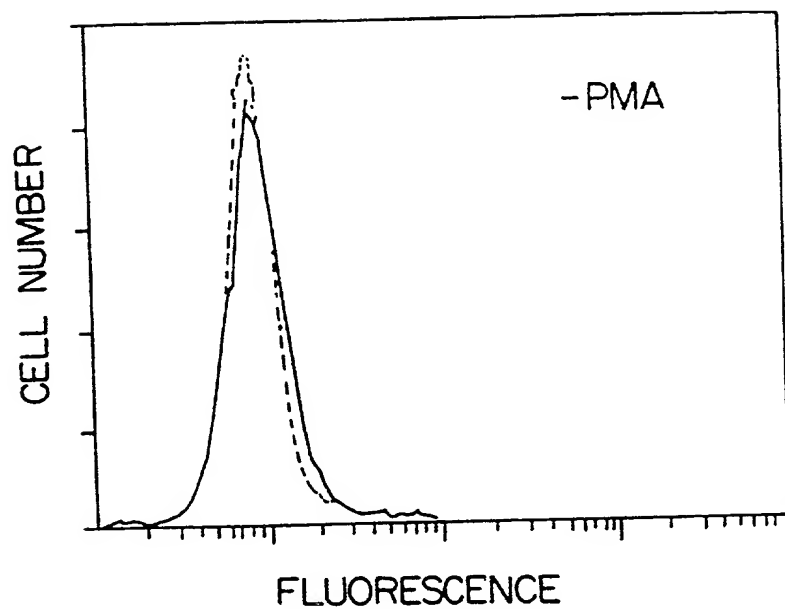


FIG. 2A

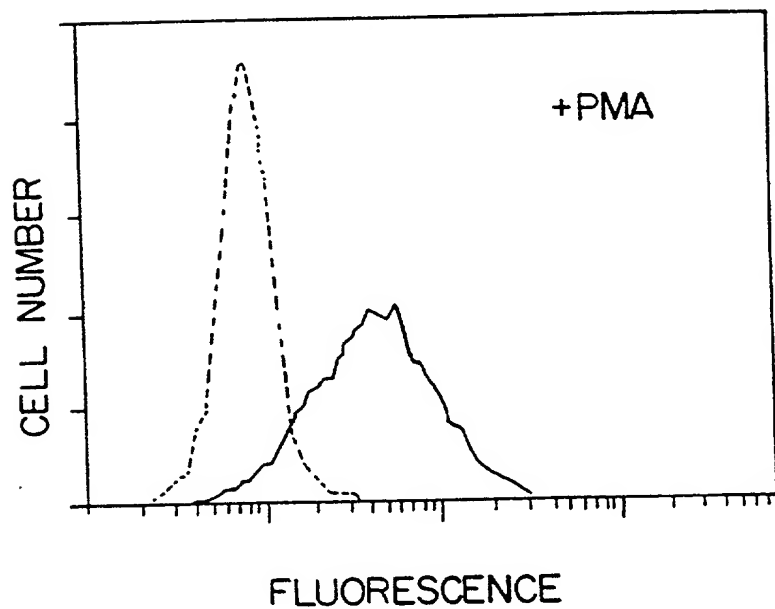


FIG. 2B

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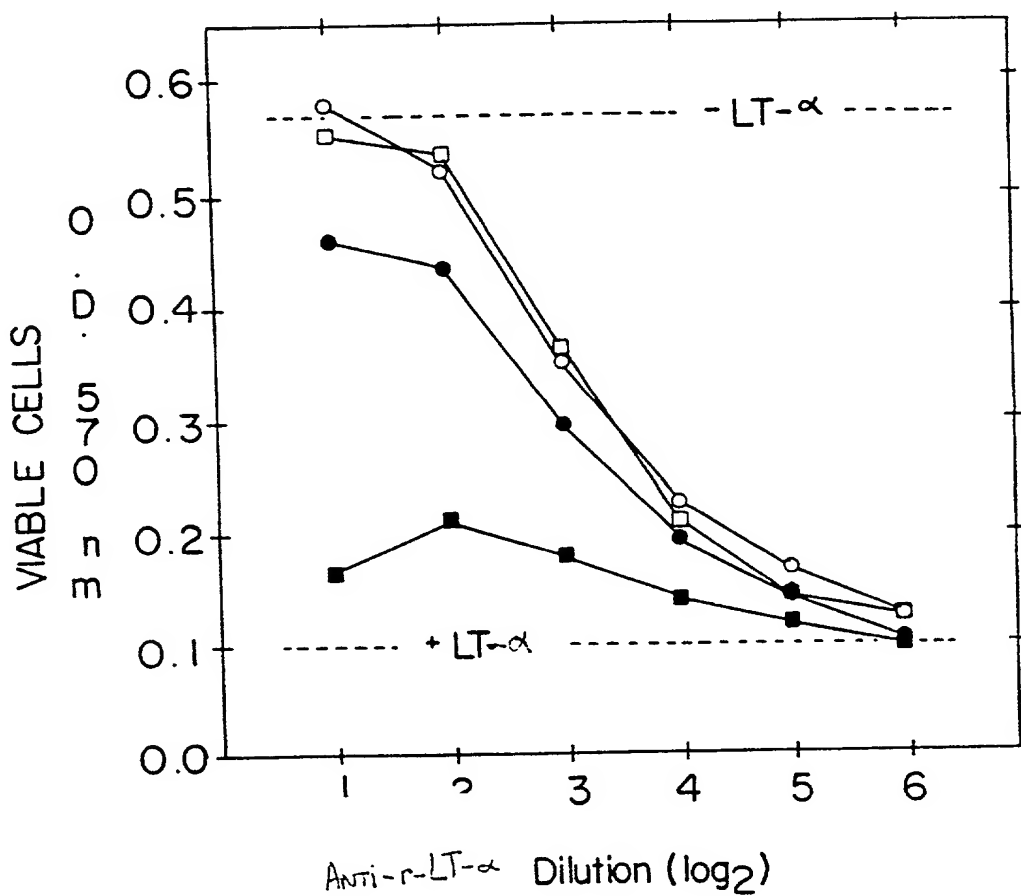


FIG. 3

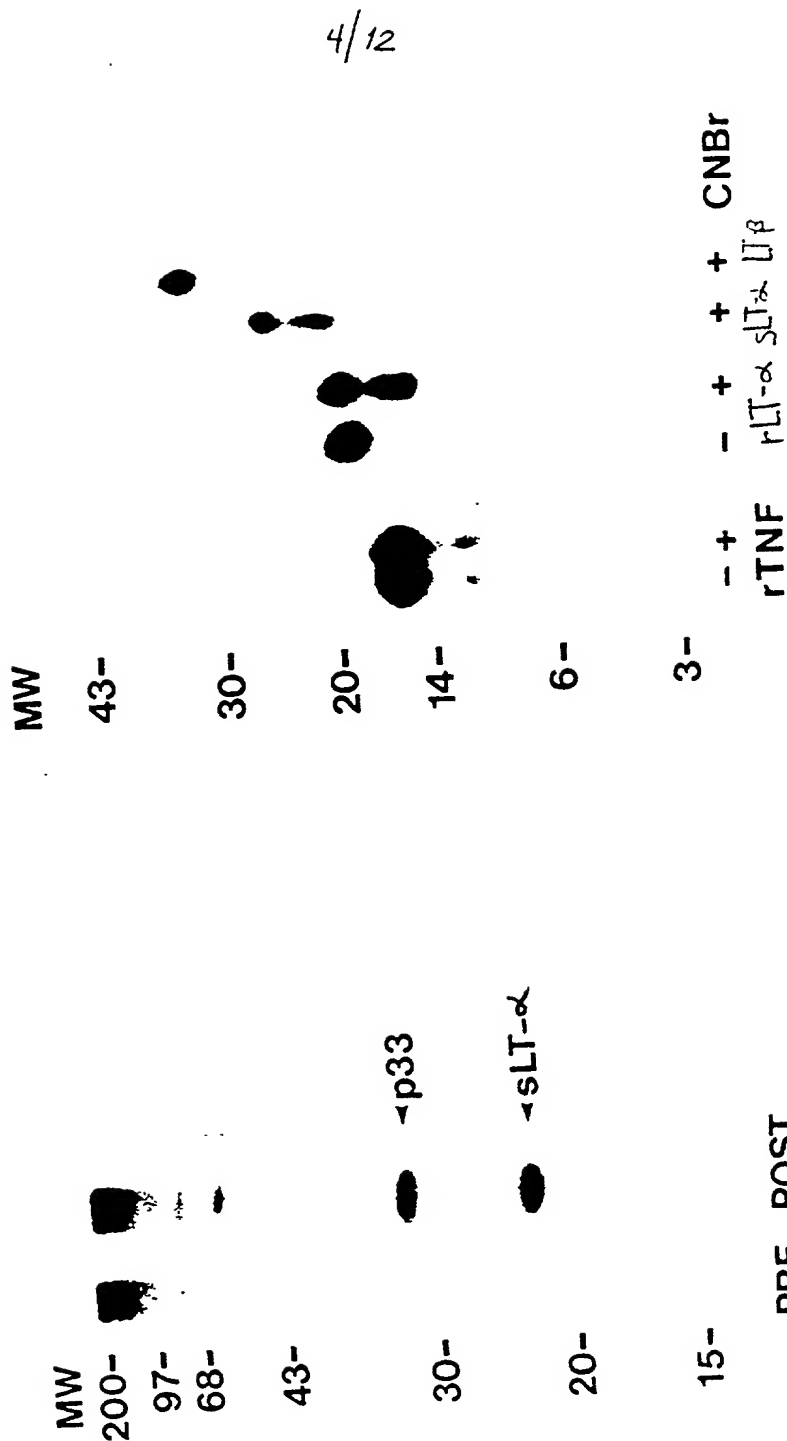
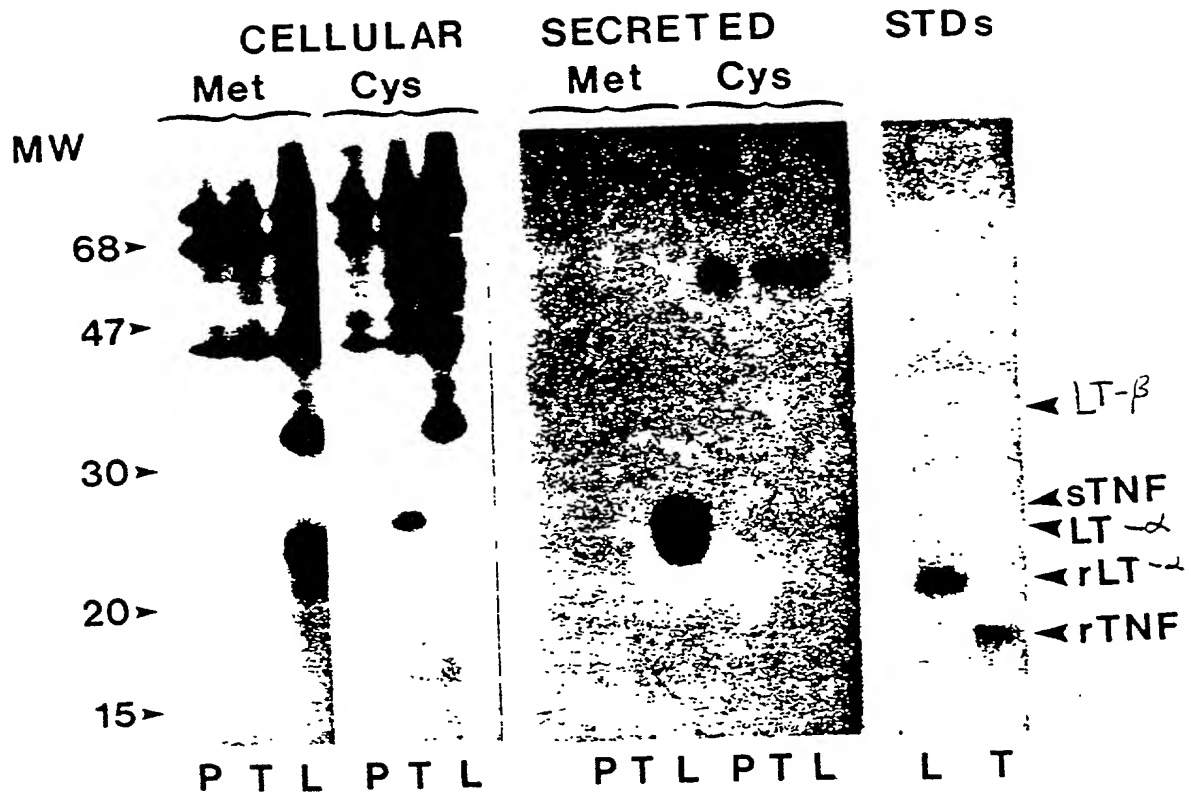


FIG. 4B

FIG. 4A

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FIG. 5



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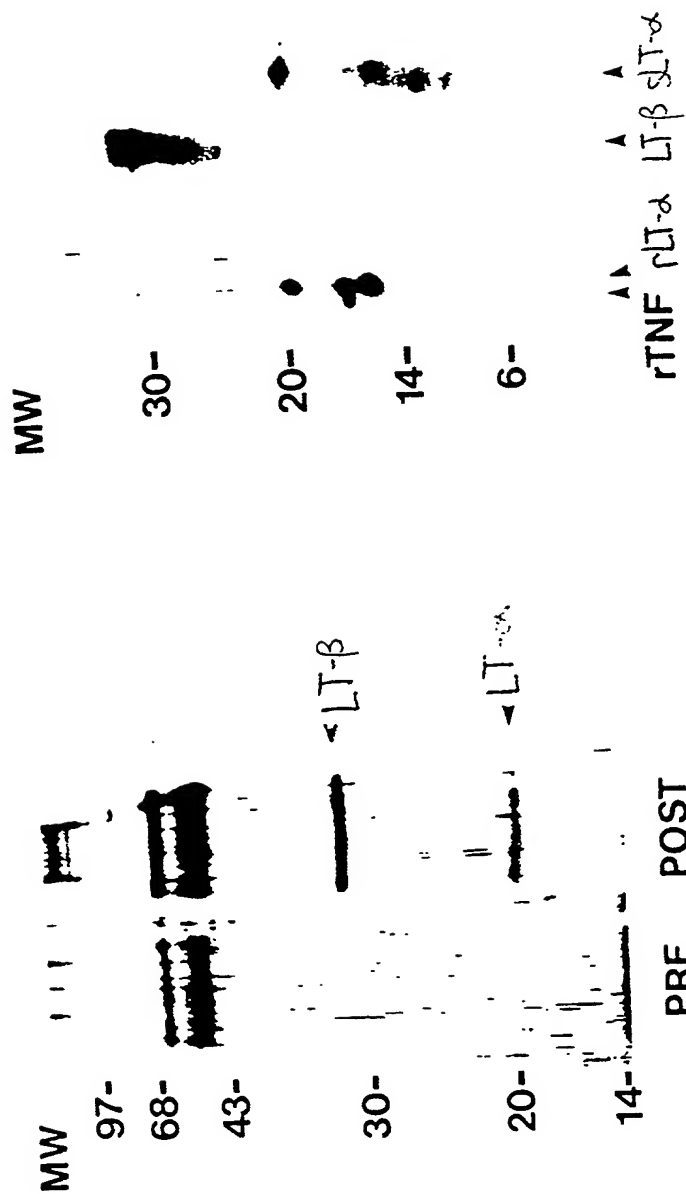


FIG. 6A

FIG. 6B

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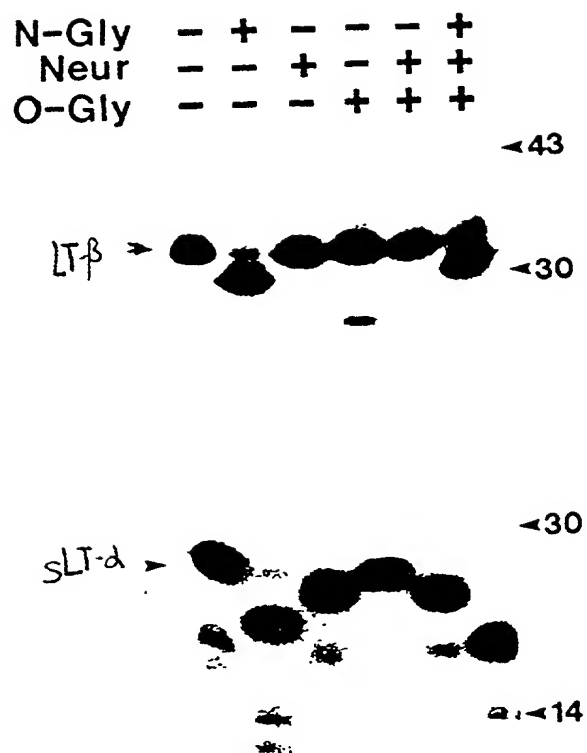


FIG. 7

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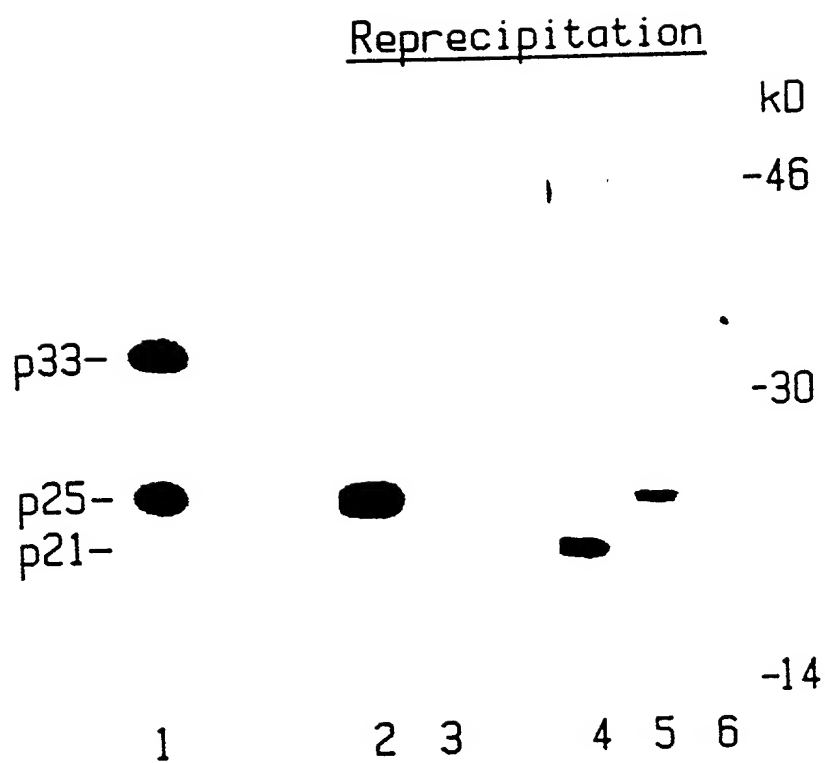


FIG. 8

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Denatured

p33-

p25-

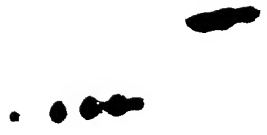


FIG. 9A

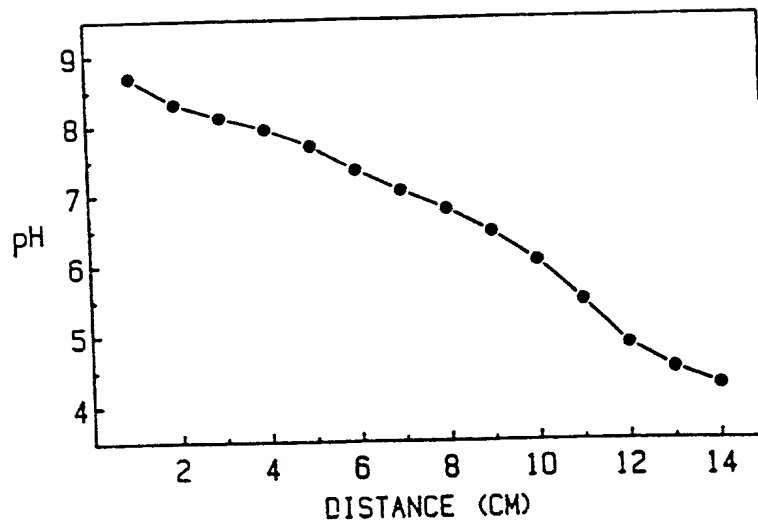


FIG. 9B

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Native

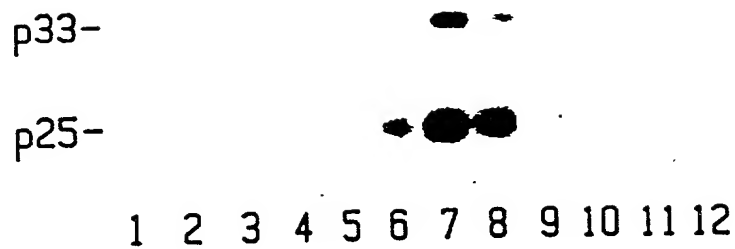


FIG. 10A

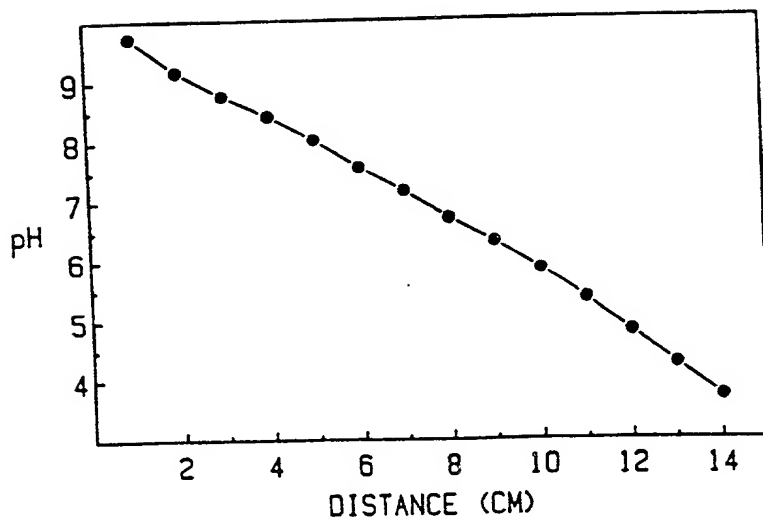
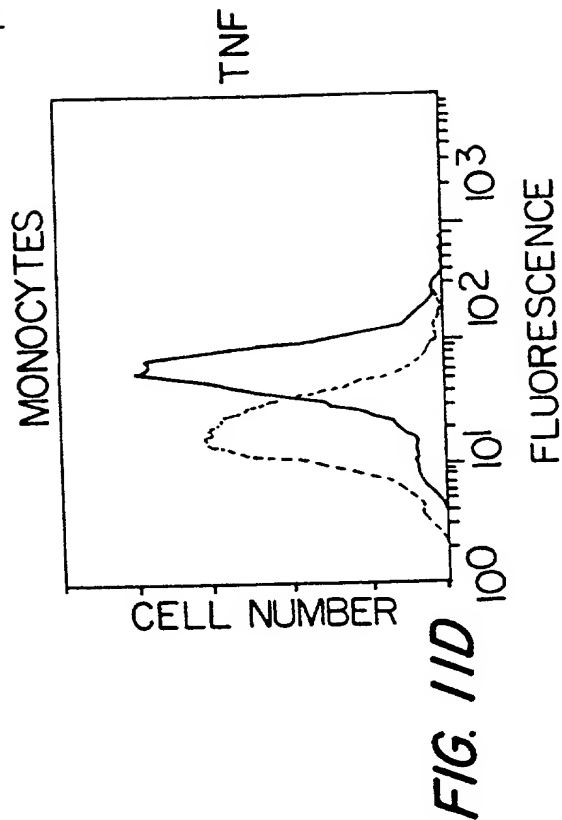
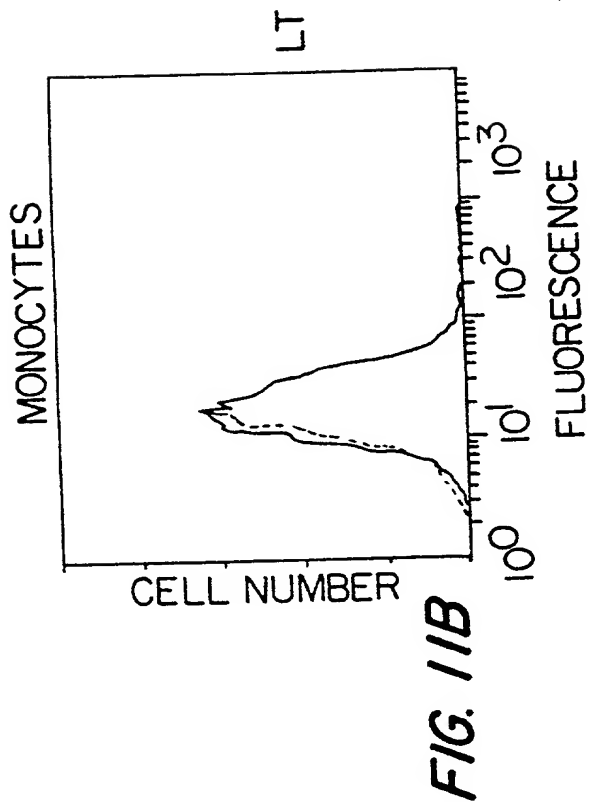
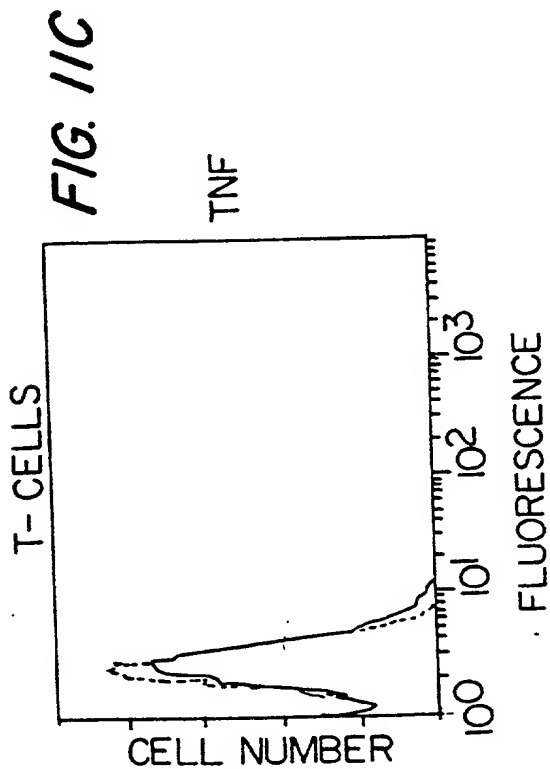


FIG. 10B

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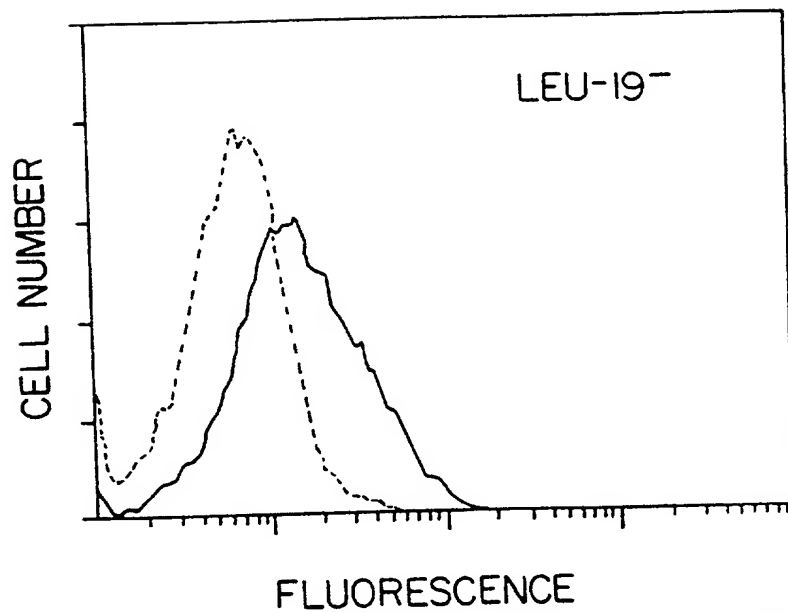


FIG. 12A

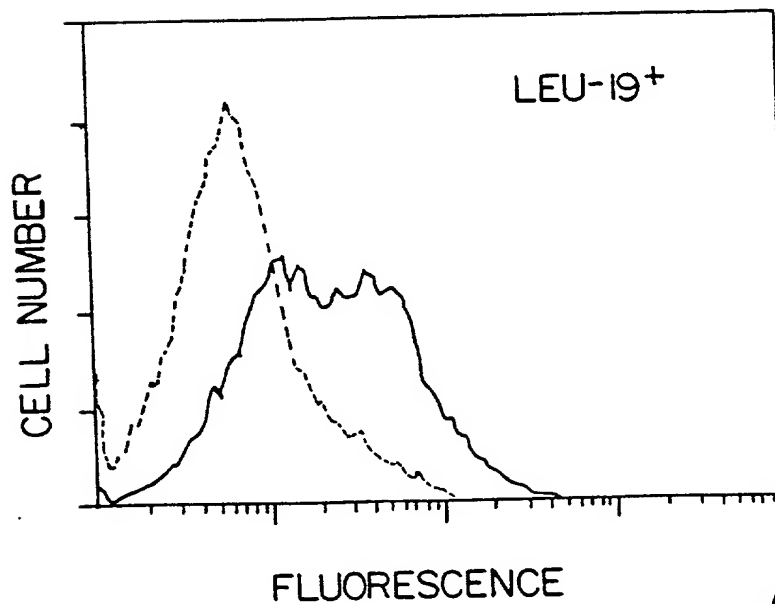


FIG. 12B

FIGURE 13

LT- β Amino Acid Sequences

N-terminus:

G L E G R G x R L Q G R G S L L L A V A G A T G L V T L L - - V P I

Tryptic Peptides

T87/88:

L P E E E P E T D L S P G L P A A H L I G A P L K

T110:

x Q A F L T S G T Q F S D A E G L A L P Q D G L Y

T67:

X Q G L x x E T

T48:

S S L Y R

T96:

A G G A Y G P G T P E L L L L E G A E T V T P V L D

FOOT-1000

Figure 14

SEQUENCE COMPARISON OF VARIOUS LIGANDS IN THE TNF-R FAMILY

	1	10	20	30	50	60
hTNF	MSTESMIRD					
hTNF	VELAEEALPKKTGGPQGSRRCLFLSLFSFLIVAGATTLECLLHFGVIGPQ					
mCD40L	MIETYSQSPRSVATGLPASMKIFMYLLTVFLITQMIGSVLFAVYLHRR					
hP33	GLEGRGGRLQGRGSLLLAVAGATSLVTLLLAVPITVLAVLALVPQDQ					
hLT	MTPPERLFLPRVCGTTLHLLLLGLLLVLLPGAQGLPGVGLT					
hTNF	----REE-FPRD-----					
mCD40L	LDKVEEEVNLDHEDFVFIKKLKRCNKGEGLSLLNCEEMRRQFEDLVKDIT					
hP33	GGLVTETADPGAQAQ-----					
hLT	-----					
	*** **					
hTNF	LSLISPLAQAVRSSRTPSDKPVAAHVVANPQAEGQ--LQWLNRRANALLA					
mCD40L	LNKEEKENSFEMQRGDEDPQIAAHVVSEANSNAASVLQWAKKGYITMKS					
hP33	QGLGFQKLPEEPEETDLSPGLPAAHLIGAPLK-GQ-GLGWETTKEQAFLT					
hLT	PSAAQTARQHPKMHLSHLKPAHLIGDPSK--QNSLLWRANTDRAFLQ					
	* * * * *					
hTNF	NGVELRD-NQLVVPSEGLYLIYSQVLFKGQGCPSSTHVLLTHTISRIAVSY					
mCD40L	NLVMLENGKQLTVKREGLYYVYTQVTFCSNREPSSQRPFIIVGLWLKPSIG					
hP33	SGTQFSDAEGALALPDGLYYLYCLVGYRGRAPPGGDPQGRSVTLRSSLY					
hLT	DGFSLSNNS-LLVPTSGIYFVYSQVVFSGKAYSPKATSSPLYLAHEVQLF					
	.. * ** ..****					
hTNF	QTKVN-----LLSAIKSPCQRETPEGAEAK--P-WYEPIYLGGVFQLE					
mCD40L	SER-----ILLKAANTHSSSQLCEQQ-----SVHLGGVFELQ					
hP33	RAGGAYGPGTPELLEGAETVTPVLDPARRQGYGPLWYTSVGFGLVQLR					
hLT	SS--QYPFHVP-LLSSQK-MVYPGLQE-----P-WLHSMYHGAAAFQLT					
	* * * * *					
hTNF	KGDRLSAEINRPDY-LDFAESGQVYFGIIAL					
mCD40L	AGASVFVNVT--EASQVIHRVGFSSFGLLKL					
hP33	RGERVYVNISHPD-MVDFAR-GKTFFGAVMVG					
hLT	QGDQLSTHT--DGIPHLVLSPTVFFGAFAL					

100400T "T820400T

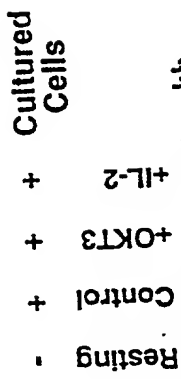


FIGURE 16

